

CLAIMS

1. A drug, comprising a substance to be transferred into a cell for treatment of a disease encapsulated in a hollow nanoparticle containing a particle-forming protein, the nanoparticle displaying a molecule, such as a growth factor, which binds with a particular molecule on a cell surface.

2. The drug as set forth in claim 1, wherein the protein is a modified hepatitis B virus surface antigen protein.

3. The drug as set forth in either one of claims 1 and 2, wherein the substance to be transferred into a cell is a gene.

4. The drug as set forth in claim 3, wherein the gene is a cancer-treating gene.

5. The drug as set forth in claim 4, wherein the gene is thymidine kinase (HSV1 tk) gene of herpes simplex virus type 1.

6. The drug as set forth in any one of claims 1 through 5, wherein said drug is administered to a human body through intravenous injection.

7. A method of treating a disease through administration of

the drug as set forth in any one of claims 1 through 6.